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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Quingming Ma

Additional name(s) of conveying parties attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date August 9, 2000

2. Name and address of receiving party(ies):

Name Cisco Systems, Inc.

Internal Address _____

Street Address 170 West Tasman DriveCity San Jose State CA Zip 95134-1706Additional name(s) & address(es) attached? Yes ☐ No ☒4. Application number(s) or patent number(s): 09/558,693

If this document is being filed together with a new application, the execution date of the application is _____

A. Patent Application No. (s)

B. Patent No. (s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name D'Alessandro & Ritchie

Internal Address _____

Street Address P. O. Box 640640City San Jose State CA Zip 95164-06406. Total number of applications and patents involved 17. Total fee (37 CFR \$3.41) \$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

04-0025

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*David B. Ritchie (Reg. No. 31,562)

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document 2

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments, Washington, DC 20231

ASSIGNMENT

WHEREAS, I, Qingming Ma, a citizen of the Peoples Republic of China, residing at 21230 Homestead Road, Cupertino, California 95014, have invented a "Apparatus and Method for Scalable and Dynamic Traffic Engineering in a Data Communication Network" for which we have executed application papers for a U.S. patent thereon which was filed on April 25, 2000, serial no. 09/558,693; and

WHEREAS, Cisco Technology, Inc., a California corporation, having a place of business 170 West Tasman Drive, San Jose, California 95134-1706, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, I, Qingming Ma, do sell, assign, transfer and set over unto the said Cisco Technology, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all Letters Patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Cisco Technology, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS MY HAND at SANTA CLARA COUNTY, California, this 9TH day of AUGUST, 2000.

Qingming Ma Aug 9th, 2000
Qingming Ma

STATE OF CALIFORNIA)

) ss.

COUNTY OF SANTA CLARA)

On this 9TH day of AUGUST, 2000, before me, a Notary Public, personally appeared Qingming Ma, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person/s whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacities, and that by his/her/their signature/s on the instrument the person/s or the entity upon behalf of which the person/s acted, executed the instrument.

WITNESS my hand and official seal.

Michelle S. Hoffman

